AUTHOR INDEX

Page numbers in italics indicate biographic notes about the authors concerned.

Akagaki, T., 303

Blau, P. J., 81, *171*

Centers, P. W., 205, 285, *335*

DeVore, C. E., 81, *171*
Duan, C., 293

El-Bahloul, A. M. M., 183, *335*

Freti, S., 105, *171*

Garrison, Jr., W. M., 93
Gawne, D. T., 123, *171*
de Gee, A. W. J., 173, *335*
Ghosh, M. K., 245, 261, *335*
Guha, S. K., 245, 261, *335*
Gupta, R. S., 319, *335*

He(Ho), J. W., 13
Hutchings, I. M., 23, *171*

Jiang, X., 293, *336*
Jin, G., 1, *171*
Jin, Y., 223, *336*

Kato, K., 303

Li, M., 293
Li, S., 293
Loh, N. H., 235, *336*
Lossie, C. M., 173, *336*
Luo, B. Z., 13

Ma, B. T., 13
Ma, T., 159
Ma, U., 123, *171*
Majumdar, B. C., 245, 261
Mens, J. W. M., 173, *336*
Miyazawa, S., 235, *336*

Nieminen, I., 273, *336*

Peng, Q. F., 195, *336*
Posti, E., 273, *337*
Price, F. D., 205, *337*

Saba, C. S., 143
Sharma, L. G., 319, *337*
Simm, W., 105

Talks, M. G., 215, *337*
Tam, S. C., 235, *337*
Tomlinson, W. J., 215, *337*

Wang, A. G., 23, *171*
Wang, B., 159, *172*
Wang, J., 1, *172*
Wang, Y., 223, *337*
Wen, S., 223, *337*
Wright, R. L., 285, *338*
Wu, Y. S., 13

Xie, Y.-B., 37, 49, 59, 67, *172*

Yang, G. H., 93

Zhang, B., 37, 49, 59, 67, *172*
Zhang, F., 159

© Elsevier Sequoia/Printed in The Netherlands

SUBJECT INDEX

Abrasion
improving abrasion wear by surface treatment, 195
Abrasive paper
number of particle contacts in two-body abrasive wear of metals by coated abrasive papers, 23
Abrasive wear
abrasive wear of multiphase materials, 105
comparison of microstructural effects on two-body and three-body abrasive wear, 93
number of particle contacts in two-body abrasive wear of metals by coated abrasive papers, 23
Alumina
interpretations of the sliding friction break-in curves of alumina–Al couples, 81
Aluminium
interpretations of the sliding friction break-in curves of alumina–Al couples, 81
study of the corrosive wear of Ti–6Al–4V in acidic medium, 293
Antimony
tribological performance of MoS_2 compacts containing S, Sb_2S_3 or Sb_2S_4, 205

Bearings
optimum design of the Rayleigh slider bearing with a power law fluid, 1
rotordynamic coefficients of multi-recess hybrid journal bearings part I, 245
rotordynamic coefficients of multi-recess hybrid journal bearings part II: fluid inertia effect, 261
Break-in
interpretations of the sliding friction break-in curves of alumina–Al couples, 81
Burnishing
statistical analyses of the effects of ball burnishing parameters on surface hardness, 235

Carbon
wear mode diagram in lubricated sliding friction of C steel, 303
Cavitation erosion
cavitation erosion of laser surface melted phosphoric grey irons, 215
Ceramics
friction and wear performance of plasma-sprayed ceramic coatings at high temperature, 223
Chromium
friction and wear of Cr and Ni coatings, 123
Coatings
friction and wear of Cr and Ni coatings, 123
friction and wear performance of plasma-sprayed ceramic coatings at high temperature, 223
influence of coating thickness on the life of TiN-coated high speed steel cutting tools, 273
Contact fatigue
criterion for contact fatigue of ion-nitrided gear, 13
Contacts
criterion for contact fatigue of ion-nitrided gear, 13
number of particle contacts in two-body abrasive wear of metals by coated abrasive papers, 23
Corrosion
study of the corrosive wear of Ti–6Al–4V in acidic medium, 293
Cutting tools
influence of coating thickness on the life of TiN-coated high speed steel cutting tools, 273

Erosion
cavitation erosion of laser surface melted phosphoric grey irons, 215

Fatigue
criterion for contact fatigue of ion-nitrided gear, 13

© Elsevier Sequoia/Printed in The Netherlands

Ferrography
improved method of ferrographic quantitation, 285
Fluid inertia
rotordynamic coefficients of multi-recess hybrid journal bearings part II: fluid inertia effect, 261
Friction
friction and wear behaviour of ion-sulpho-carbonitrided layers on low alloy steels, 159
friction and wear of Cr and Ni coatings, 123
friction and wear performance of plasma-sprayed ceramic coatings at high temperature, 223
interpretations of the sliding friction break-in curves of alumina–Al couples, 81
two-body microcutting wear model part IV: theoretical analysis of friction, 67
wear mode diagram in lubricated sliding friction of C steel, 303

Gears
criterion for contact fatigue of ion-nitrided gear, 13
load-carrying capacity for gears of circular-arc tooth profile, 183
Grey iron
cavitation erosion of laser surface melted phosphoric grey irons, 215

Inertia
centrifugal inertia effects in misaligned radial face seals, 319
Ion nitriding
criterion for contact fatigue of ion-nitrided gear, 13
Ion-sulpho-carbonitriding
friction and wear behaviour of ion-sulpho-carbonitrided layers on low alloy steels, 159
Iron
determination of metallic iron in wear debris using a wear particle analyzer, 143

Journal bearings
rotordynamic coefficients of multi-recess hybrid journal bearings part I, 245
rotordynamic coefficients of multi-recess hybrid journal bearings part II: fluid inertia effect, 261

Lasers
cavitation erosion of laser surface melted phosphoric grey irons, 215
Low alloy steels
friction and wear behaviour of ion-sulpho-carbonitrided layers on low alloy steels, 159
Lubrication
wear mode diagram in lubricated sliding friction of C steel, 303

Microcutting wear
two-body microcutting wear model part I: two-dimensional roughness model, 37
two-body microcutting wear model part II: three-dimensional roughness model, 49
two-body microcutting wear model part III: stable profile height distribution of a worn surface, 59
two-body microcutting wear model part IV: theoretical analysis of friction, 67
Microstructure
comparison of microstructural effects on two-body and three-body abrasive wear, 93
Molybdenum
tribological performance of MoS_2 compacts containing S, Sb_2S_3 or Sb_2S_4, 205
Multiphase materials
abrasive wear of multiphase materials, 105

Nickel
friction and wear of Cr and Ni coatings, 123

Particles
number of particle contacts in two-body abrasive wear of metals by coated abrasive papers, 23
Plasma spraying
friction and wear performance of plasma-sprayed ceramic coatings at high temperature, 223
Power law fluid
optimum design of the Rayleigh slider bearing with a power law fluid, 1

Radial face seals
centrifugal inertia effects in misaligned radial face seals, 319

Rotordynamic coefficients
rotordynamic coefficients of multi-recess hybrid journal bearings part I, 245
rotordynamic coefficients of multi-recess hybrid journal bearings part II: fluid inertia effect, 261
Roughness
two-body microcutting wear model part I: two-dimensional roughness model, 37
two-body microcutting wear model part II: three-dimensional roughness model, 49

Seals
centrifugal inertia effects in misaligned radial face seals, 319
Slider bearings
optimum design of the Rayleigh slider bearing with a power law fluid, 1
Sliding
interpretations of the sliding friction break-in curves of alumina–Al couples, 81
wear mode diagram in lubricated sliding friction of C steel, 303
Sliding friction
interpretations of the sliding friction break-in curves of alumina–Al couples, 81
Steels
friction and wear behaviour of ion-sulpho-carbonitrided layers on low alloy steels, 159
influence of coating thickness on the life of TiN-coated high speed steel cutting tools, 273
wear mode diagram in lubricated sliding friction of C steel, 303
Sulphur
tribological performance of MoS_2 compacts containing S, Sb_2S_3 or Sb_2S_4, 205
Surfaces
cavitation erosion of laser surface melted phosphoric grey irons, 215
improving abrasion wear by surface treatment, 195
statistical analyses of the effects of ball burnishing parameters on surface hardness, 235
two-body microcutting wear model part III: stable profile height distribution of a worn surface, 59

Three-body abrasive wear
comparison of microstructural effects on two-body and three-body abrasive wear, 93
Titanium
study of the corrosive wear of Ti–6Al–4V in acidic medium, 293
Titanium nitride
influence of coating thickness on the life of TiN-coated high speed steel cutting tools, 273
Tools
influence of coating thickness on the life of TiN-coated high speed steel cutting tools, 273
Transition diagrams
practical applications of the IRG transition diagram technique, 173
Tribology
tribological performance of MoS_2 compacts containing S, Sb_2S_3 or Sb_2S_4, 205
Two-body abrasive wear
comparison of microstructural effects on two-body and three-body abrasive wear, 93
number of particle contacts in two-body abrasive wear of metals by coated abrasive papers, 23
Two-body wear
two-body microcutting wear model part I: two-dimensional roughness model, 37
two-body microcutting wear model part II: three-dimensional roughness model, 49
two-body microcutting wear model part III: stable profile height distribution of a worn surface, 59
two-body microcutting wear model part IV: theoretical analysis of friction, 67

Vanadium
study of the corrosive wear of Ti–6Al–4V in acidic medium, 293

Wear
abrasive wear of multiphase materials, 105
comparison of microstructural effects on two-body and three-body abrasive wear, 93
determination of metallic iron in wear debris using a wear particle analyzer, 143

friction and wear behaviour of ion-sulpho-carbonitrided layers on low alloy steels, 159
friction and wear of Cr and Ni coatings, 123
friction and wear performance of plasma-sprayed ceramic coatings at high temperature, 223
improving abrasion wear by surface treatment, 195
number of particle contacts in two-body abrasive wear of metals by coated abrasive papers, 23
study of the corrosive wear of Ti–6Al–4V in acidic medium, 293
two-body microcutting wear model part I: two-dimensional roughness model, 37
two-body microcutting wear model part II: three-dimensional roughness model, 49
two-body microcutting wear model part III: stable profile height distribution of a worn surface, 59
two-body microcutting wear model part IV: theoretical analysis of friction, 67
wear mode diagram in lubricated sliding friction of C steel, 303
Wear debris
determination of metallic iron in wear debris using a wear particle analyzer, 143
Wear particle analysis
determination of metallic iron in wear debris using a wear particle analyzer, 143
Wear particles
determination of metallic iron in wear debris using a wear particle analyzer, 143